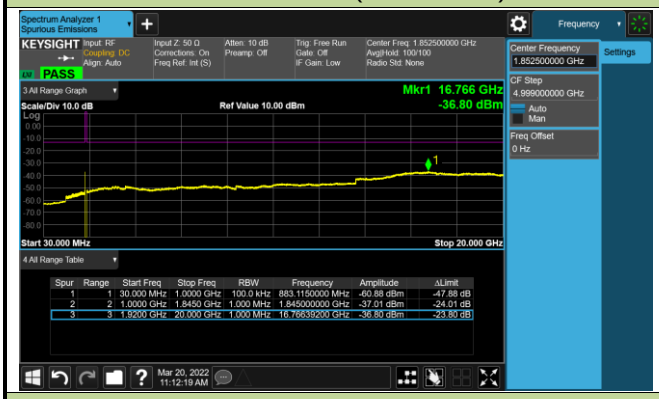
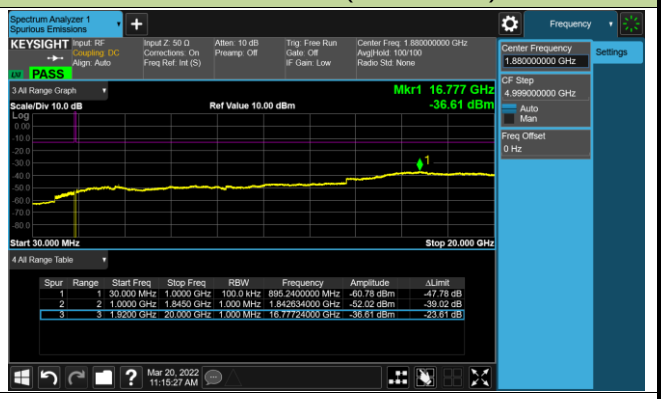
5MHz Channel Bandwidth

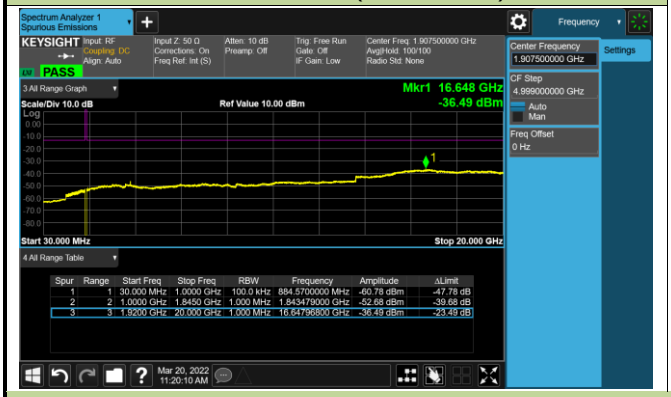
Channel 18625 (1852.5MHz)



Channel 18900 (1880.0MHz)

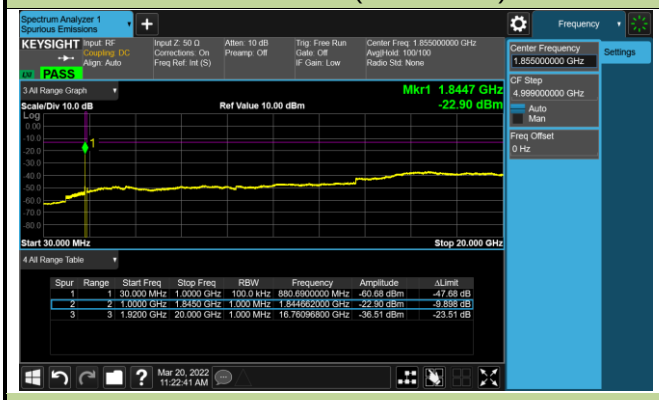


Channel 19175 (1907.5MHz)

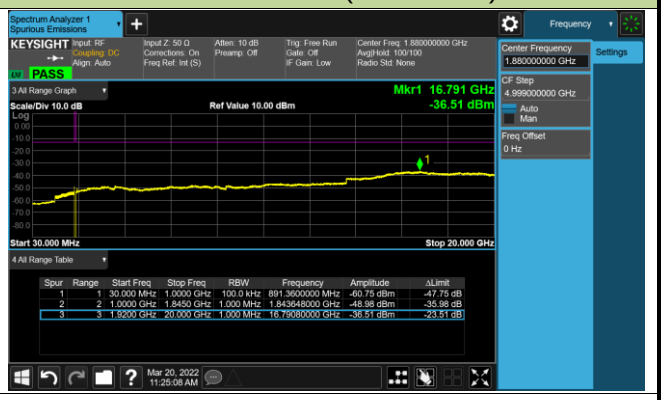


10MHz Channel Bandwidth

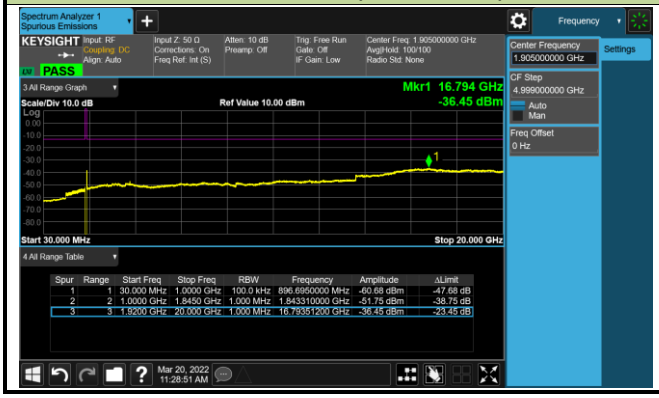
Channel 18650 (1855.0MHz)

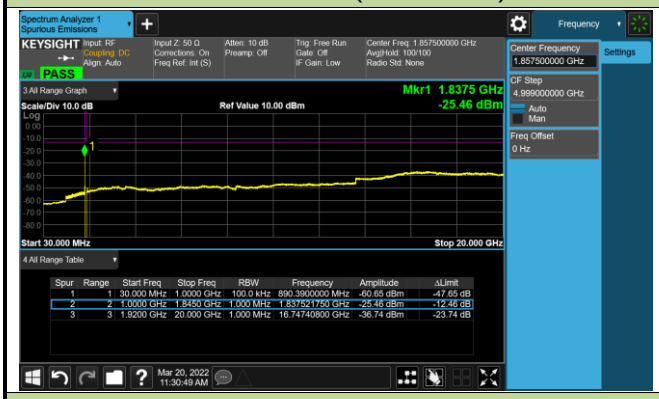
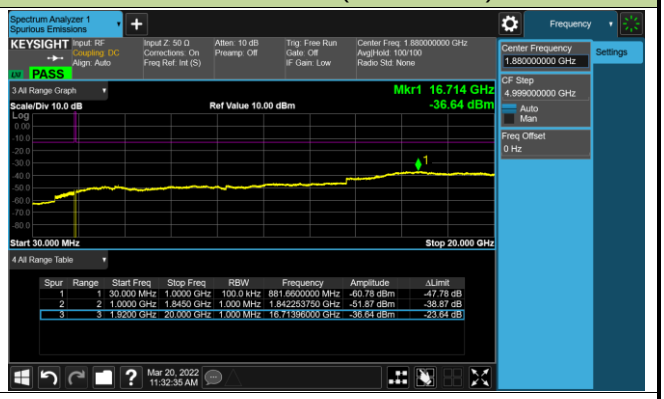
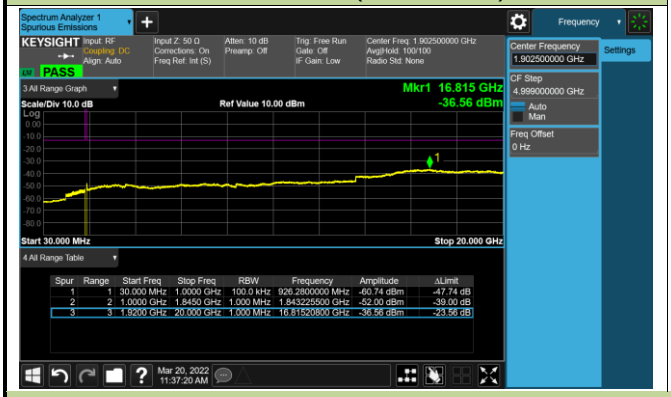


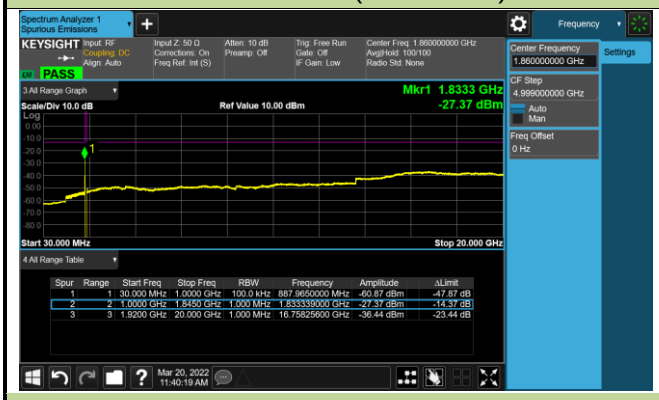
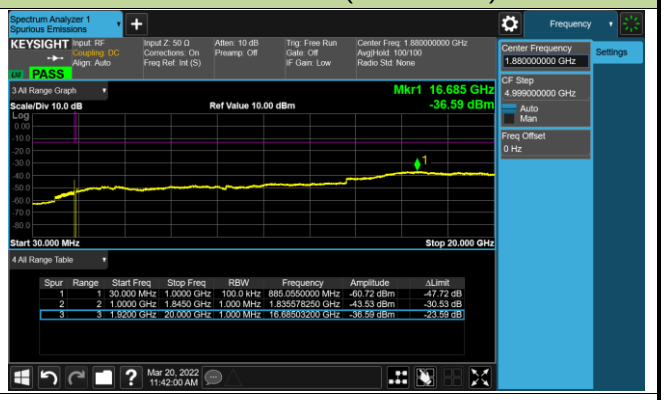
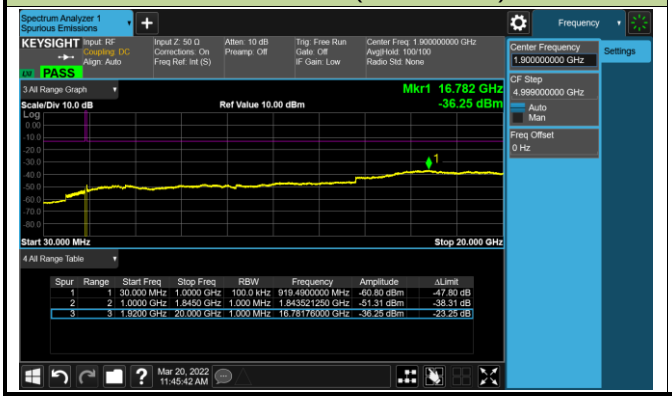
Channel 18900 (1880.0MHz)



Channel 19150 (1905.0MHz)



15MHz Channel Bandwidth	
Channel 18675 (1857.5MHz)	Channel 18890(1880.0MHz)
	
Channel 19125 (1902.5MHz)	
	

20MHz Channel Bandwidth	
Channel 18700 (1860.0MHz)	Channel 18900 (1880.0MHz)
	
Channel 19100 (1900.0MHz)	
	

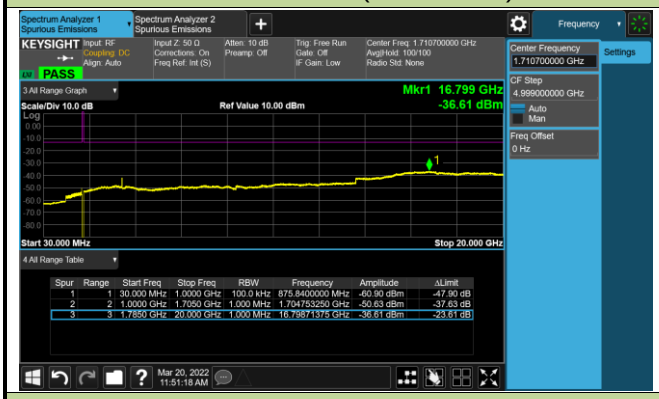
Test Site	SIP-SR1	Test Engineer	Candy Luo
Test Band	LTE Band 4/66_1RB_QPSK	Test Date	2022/03/20

Channel	Frequency (MHz)	Channel Bandwidth (MHz)	Frequency Range (MHz)	Max Spurious Emissions (dBm)	Limit (dBm)	Result
131979	1710.7	1.4	30 ~ 20000	-36.61	≤ -13.00	Pass
132322	1745.0	1.4	30 ~ 20000	-36.58	≤ -13.00	Pass
132665	1779.3	1.4	30 ~ 20000	-36.53	≤ -13.00	Pass
131987	1711.5	3	30 ~ 20000	-36.64	≤ -13.00	Pass
132322	1745.0	3	30 ~ 20000	-36.39	≤ -13.00	Pass
132657	1778.5	3	30 ~ 20000	-36.41	≤ -13.00	Pass
131997	1712.5	5	30 ~ 20000	-36.54	≤ -13.00	Pass
132322	1745.0	5	30 ~ 20000	-36.33	≤ -13.00	Pass
132647	1777.5	5	30 ~ 20000	-28.35	≤ -13.00	Pass
132022	1715.0	10	30 ~ 20000	-25.29	≤ -13.00	Pass
132322	1745.0	10	30 ~ 20000	-36.32	≤ -13.00	Pass
132622	1775.0	10	30 ~ 20000	-30.32	≤ -13.00	Pass
132047	1717.5	15	30 ~ 20000	-30.20	≤ -13.00	Pass
132322	1745.0	15	30 ~ 20000	-36.27	≤ -13.00	Pass
132597	1772.5	15	30 ~ 20000	-32.59	≤ -13.00	Pass
132072	1720.0	20	30 ~ 20000	-33.92	≤ -13.00	Pass
132322	1745.0	20	30 ~ 20000	-35.43	≤ -13.00	Pass
132572	1770.0	20	30 ~ 20000	-36.16	≤ -13.00	Pass

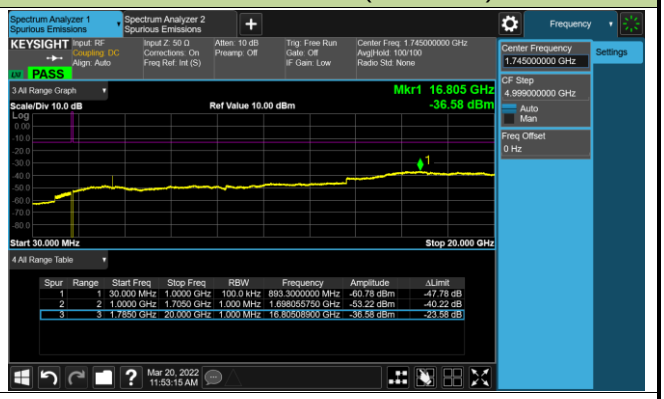
Note: Spurious emissions within 9kHz ~ 30MHz were found more than 20dB below limit line.

1.4MHz Channel Bandwidth

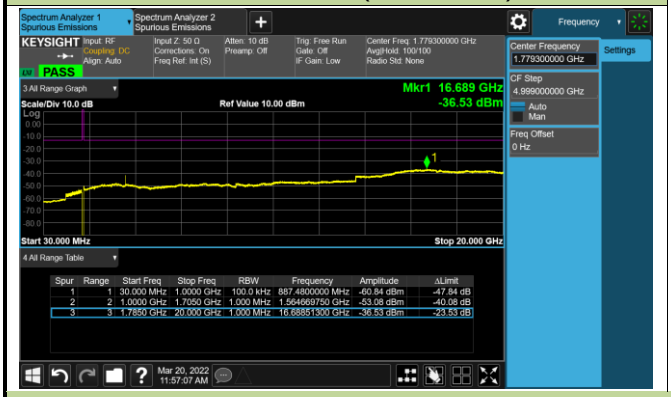
Channel 131979 (1710.7MHz)



Channel 132322 (1745MHz)

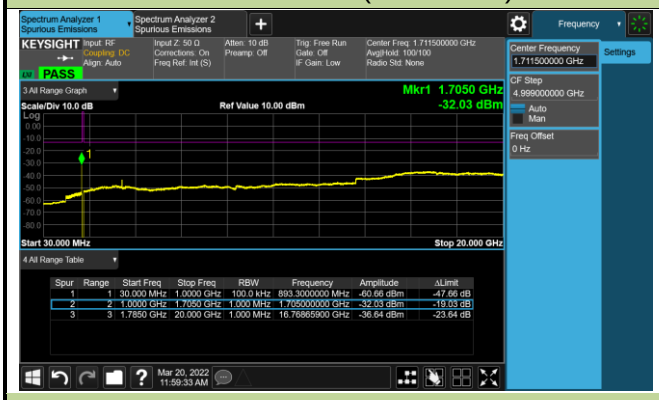


Channel 132665 (1779.3MHz)

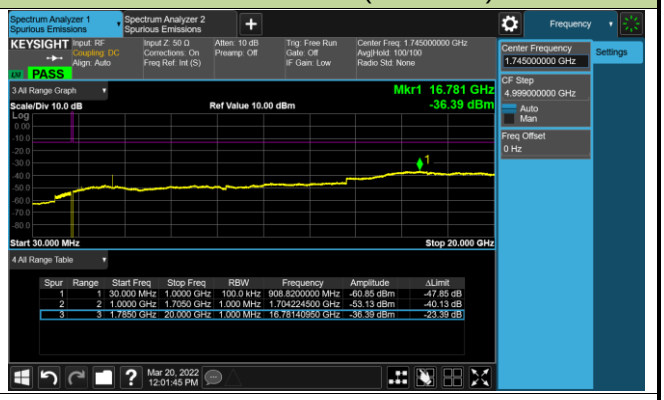


3MHz Channel Bandwidth

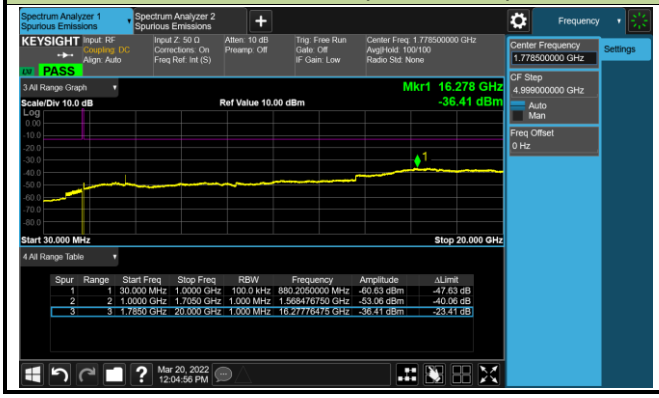
Channel 131987 (1711.5MHz)



Channel 132322 (1745MHz)

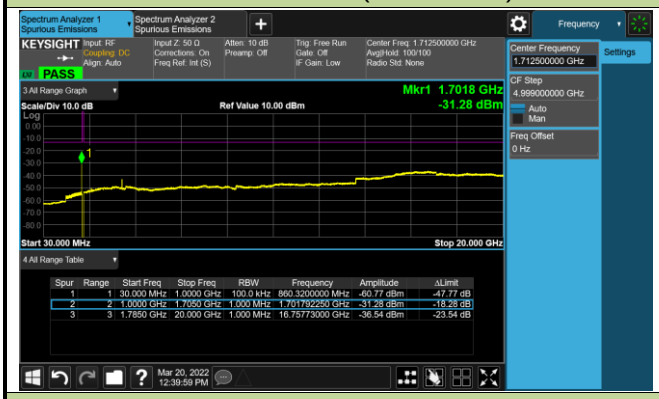


Channel 132657 (1778.5MHz)

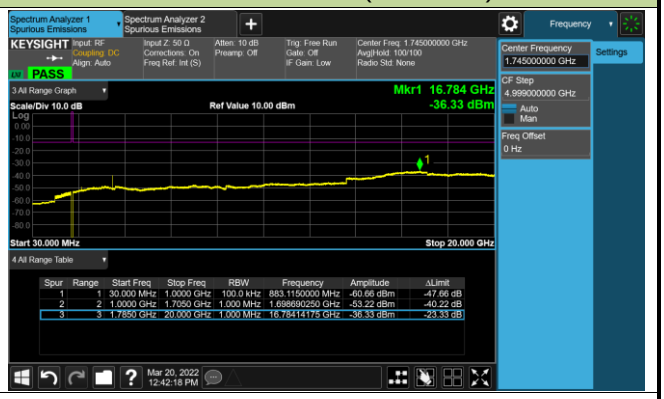


5MHz Channel Bandwidth

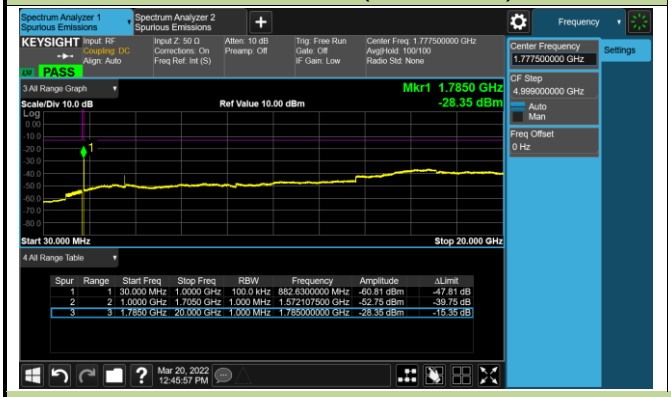
Channel 131997 (1712.5MHz)



Channel 132322 (1745MHz)

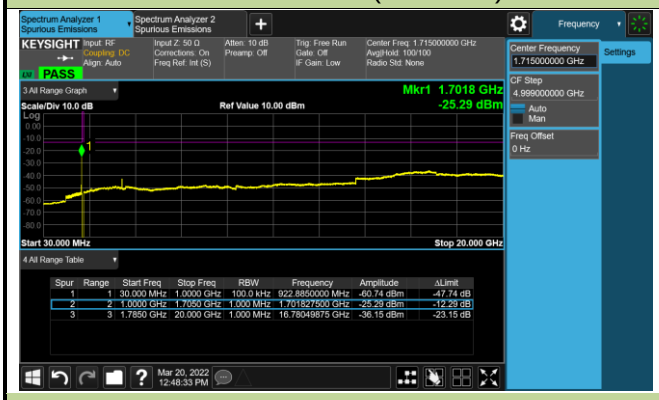


Channel 132647 (1777.5MHz)

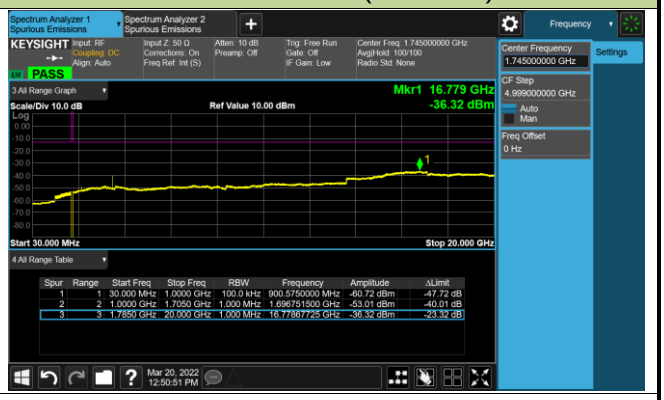


10MHz Channel Bandwidth

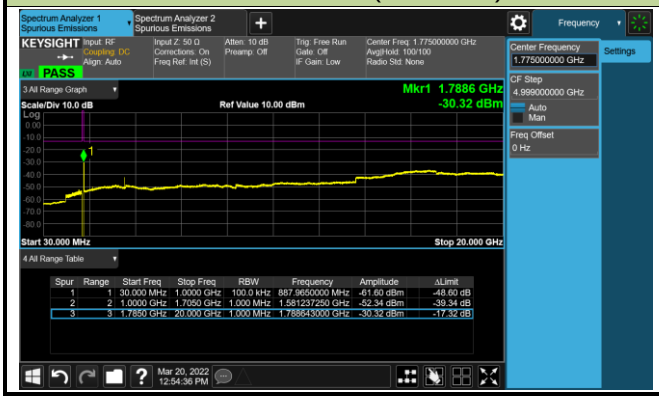
Channel 132022 (1715MHz)

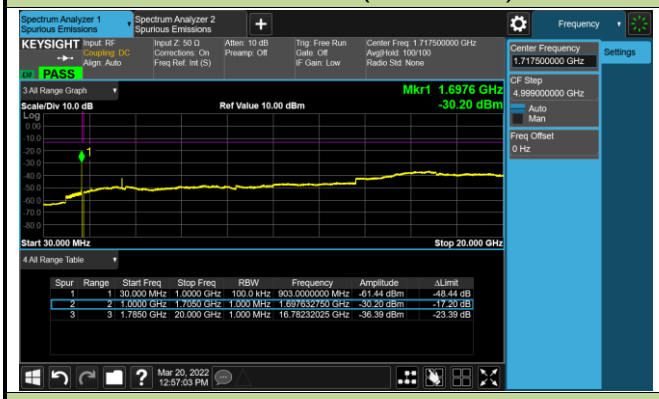
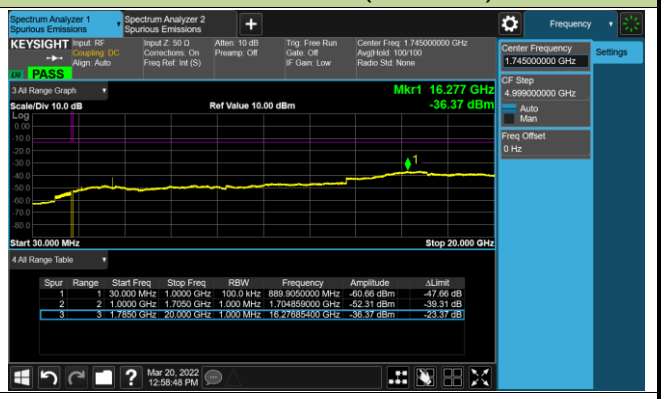
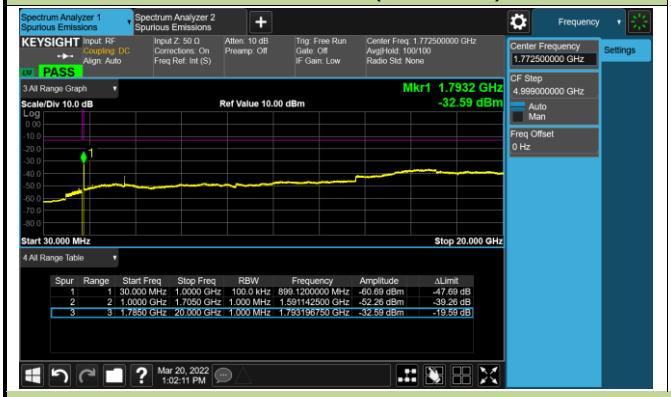


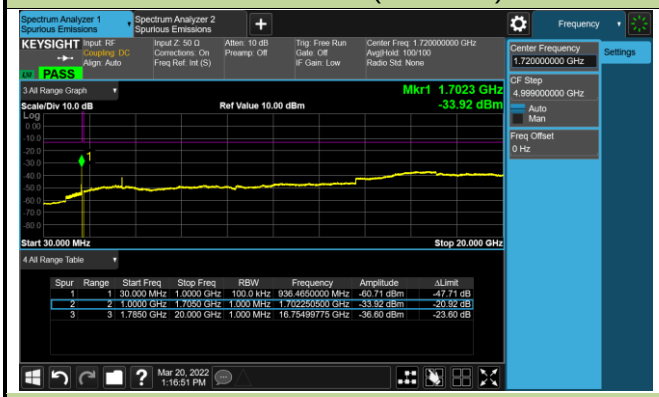
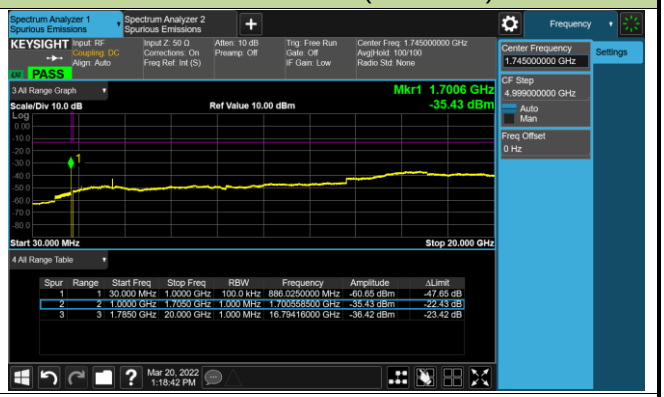
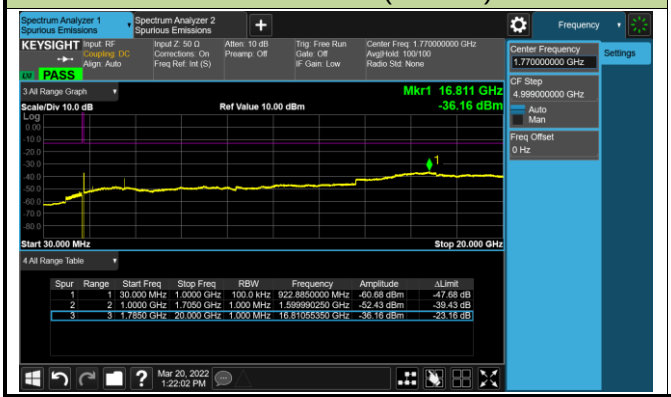
Channel 132322 (1745MHz)



Channel 132622 (1775MHz)



15MHz Channel Bandwidth	
Channel 132047 (1717.5MHz)	Channel 132322 (1745MHz)
	
Channel 132597 (1772.5Hz)	
	

20MHz Channel Bandwidth	
Channel 132072 (1720MHz)	Channel 132322 (1745MHz)
	
Channel 132572 (1770Hz)	
	

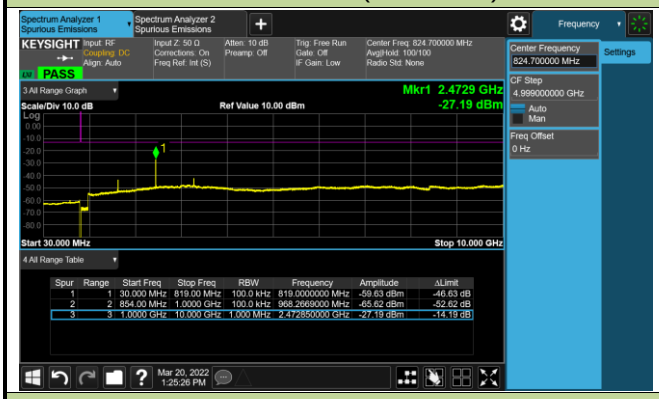
Test Site	SIP-SR1	Test Engineer	Candy Luo
Test Band	LTE Band 5_1RB_QPSK	Test Date	2022/03/20

Channel	Frequency (MHz)	Channel Bandwidth (MHz)	Frequency Range (MHz)	Max Spurious Emissions (dBm)	Limit (dBm)	Result
20407	824.7	1.4	30 ~ 10000	-27.19	≤ -13.00	Pass
20525	836.5	1.4	30 ~ 10000	-25.55	≤ -13.00	Pass
20643	848.3	1.4	30 ~ 10000	-29.04	≤ -13.00	Pass
20415	825.5	3	30 ~ 10000	-27.19	≤ -13.00	Pass
20525	836.5	3	30 ~ 10000	-26.58	≤ -13.00	Pass
20635	847.5	3	30 ~ 10000	-29.81	≤ -13.00	Pass
20425	826.5	5	30 ~ 10000	-25.80	≤ -13.00	Pass
20525	836.5	5	30 ~ 10000	-26.39	≤ -13.00	Pass
20625	846.5	5	30 ~ 10000	-27.78	≤ -13.00	Pass
20450	829.0	10	30 ~ 10000	-26.63	≤ -13.00	Pass
20525	836.5	10	30 ~ 10000	-26.53	≤ -13.00	Pass
20600	844.0	10	30 ~ 10000	-27.61	≤ -13.00	Pass

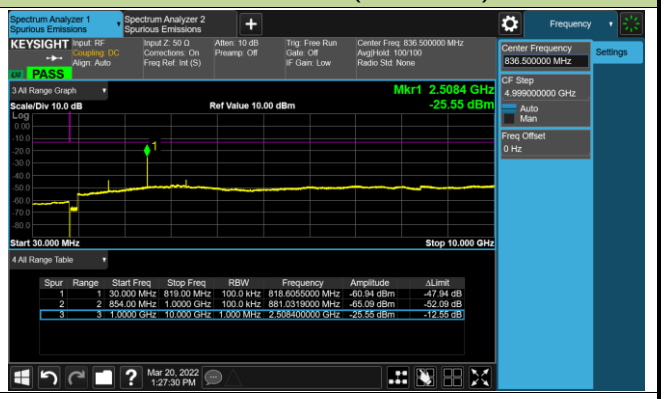
Note: Spurious emissions within 9kHz ~ 30MHz were found more than 20dB below limit line.

1.4MHz Channel Bandwidth

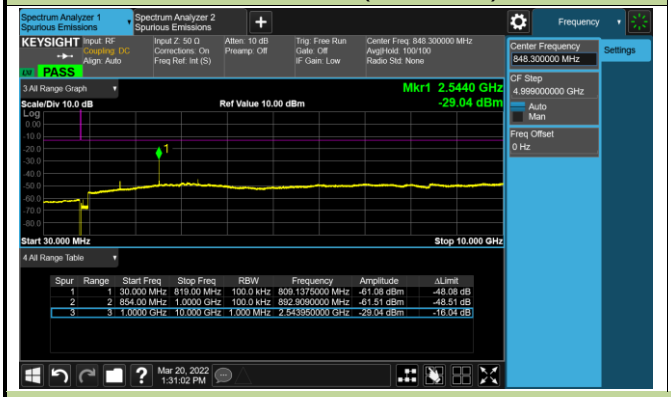
Channel 20407 (824.7MHz)



Channel 20525 (836.5MHz)

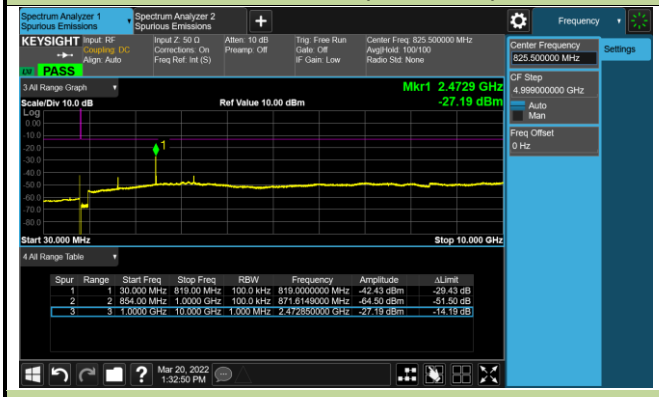


Channel 20643 (848.3MHz)

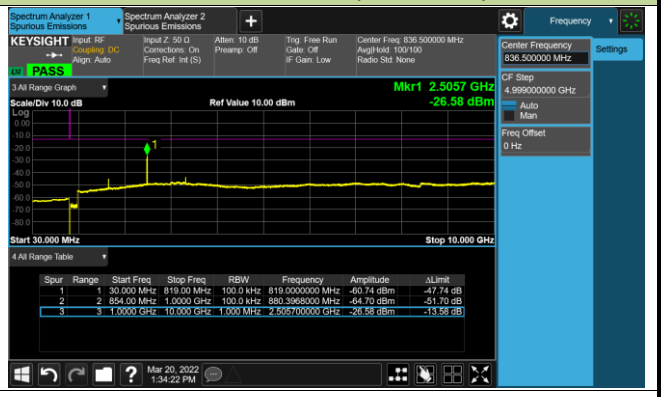


3MHz Channel Bandwidth

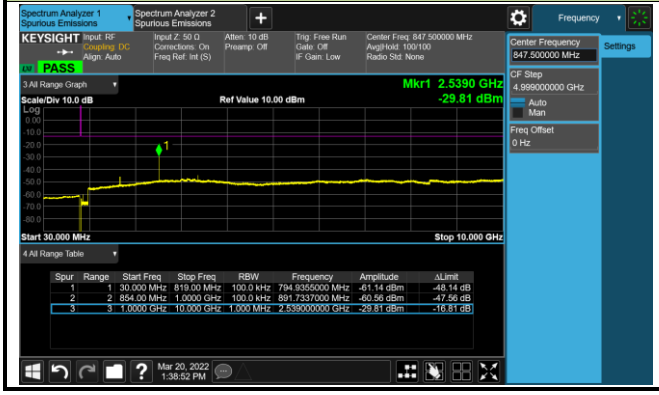
Channel 20415 (825.5MHz)



Channel 20525 (836.5MHz)

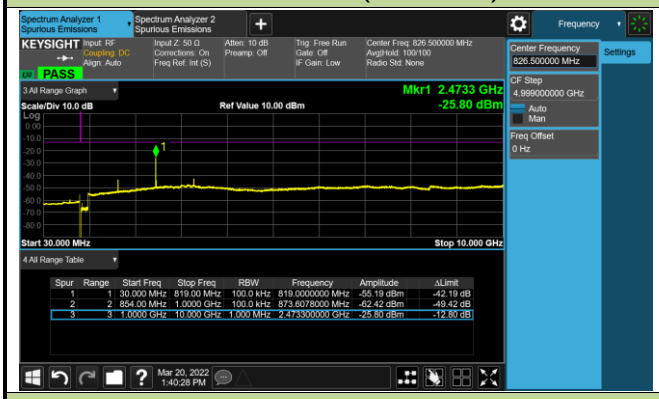


Channel 20635 (847.5MHz)

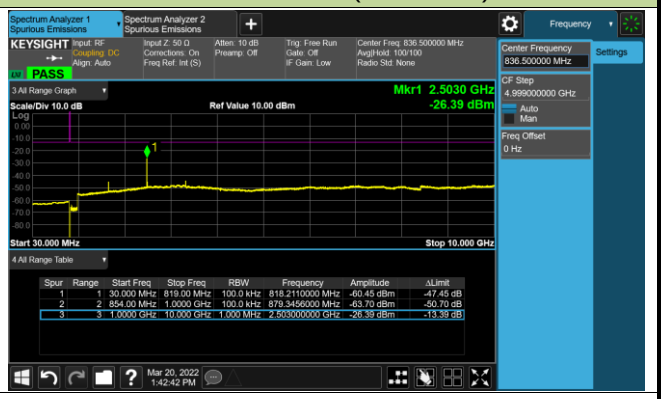


5MHz Channel Bandwidth

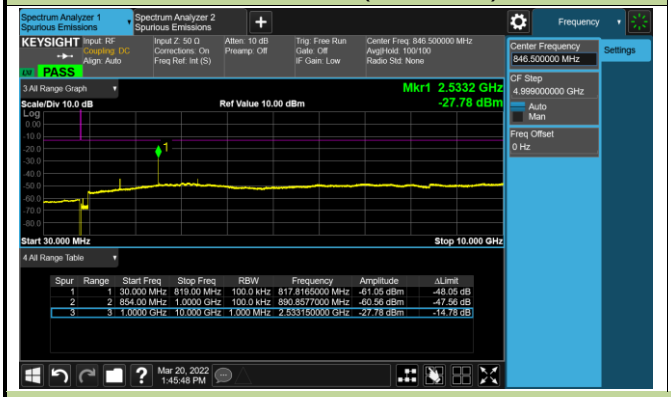
Channel 20425 (826.5MHz)



Channel 20525 (836.5MHz)

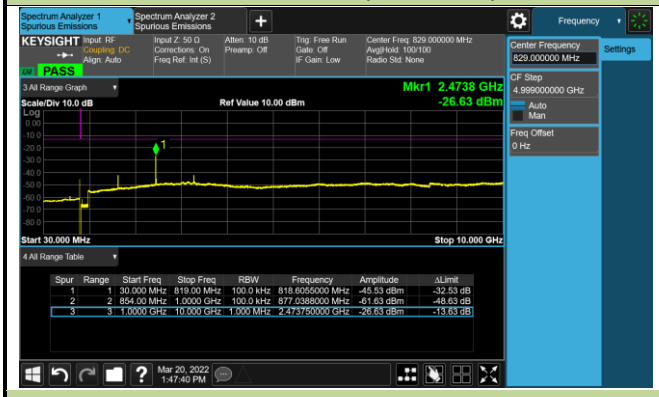


Channel 20625 (846.5MHz)

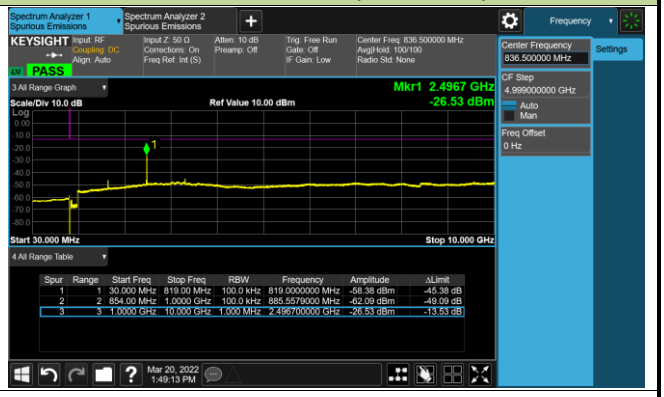


10MHz Channel Bandwidth

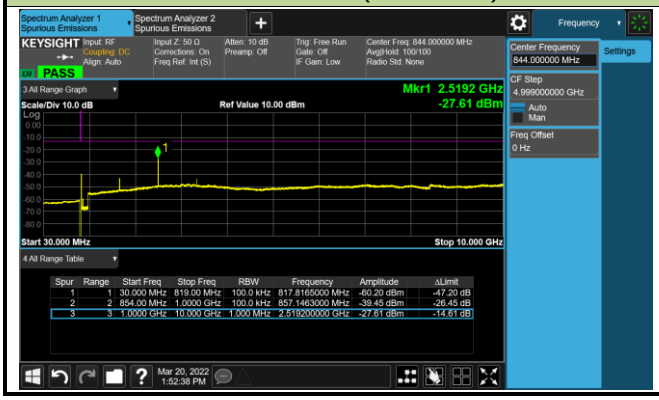
Channel 20450 (829.0MHz)



Channel 20525 (836.5MHz)



Channel 20600 (844.0MHz)



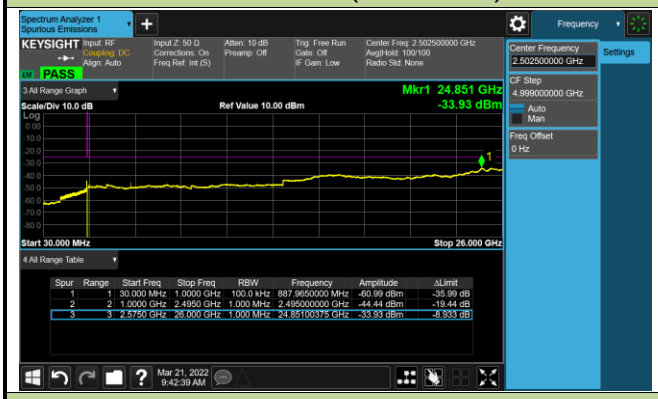
Test Site	SIP-SR1	Test Engineer	Candy Luo
Test Band	LTE Band 7_1RB_QPSK	Test Date	2022/03/21

Channel	Frequency (MHz)	Channel Bandwidth (MHz)	Frequency Range (MHz)	Max Spurious Emissions (dBm)	Limit (dBm)	Result
20775	2502.5	5	30 ~ 26000	-33.93	≤ -25.00	Pass
21100	2535.0	5	30 ~ 26000	-34.01	≤ -25.00	Pass
21425	2567.5	5	30 ~ 26000	-33.95	≤ -25.00	Pass
20800	2505.0	10	30 ~ 26000	-33.90	≤ -25.00	Pass
21100	2535.0	10	30 ~ 26000	-33.77	≤ -25.00	Pass
21400	2565.0	10	30 ~ 26000	-33.82	≤ -25.00	Pass
20825	2507.5	15	30 ~ 26000	-33.99	≤ -25.00	Pass
21100	2535.0	15	30 ~ 26000	-33.82	≤ -25.00	Pass
21375	2562.5	15	30 ~ 26000	-33.81	≤ -25.00	Pass
20850	2510.0	20	30 ~ 26000	-33.74	≤ -25.00	Pass
21100	2535.0	20	30 ~ 26000	-33.80	≤ -25.00	Pass
21350	2560.0	20	30 ~ 26000	-33.13	≤ -25.00	Pass

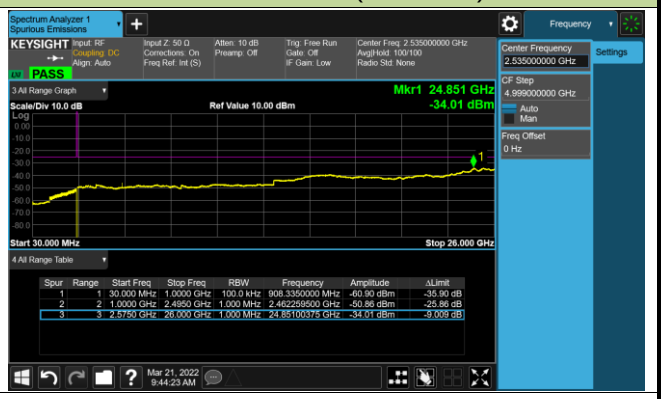
Note: Spurious emissions within 9kHz ~ 30MHz were found more than 20dB below limit line.

5MHz Channel Bandwidth

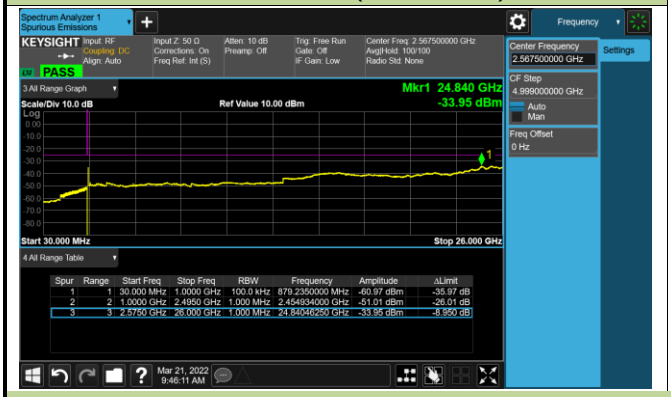
Channel 20775 (2502.5MHz)/



Channel 21100 (2535MHz)

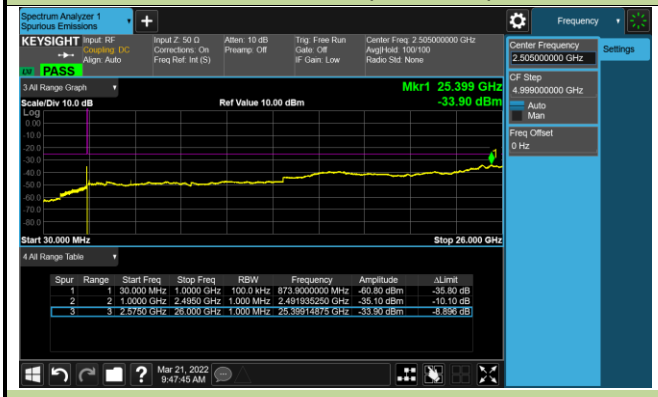


Channel 21425 (2567.5MHz)

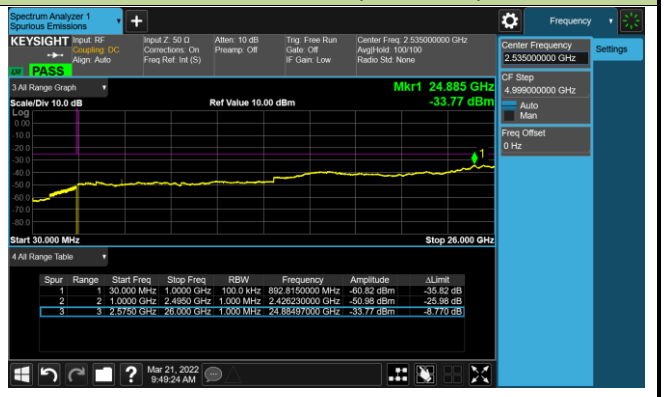


10MHz Channel Bandwidth

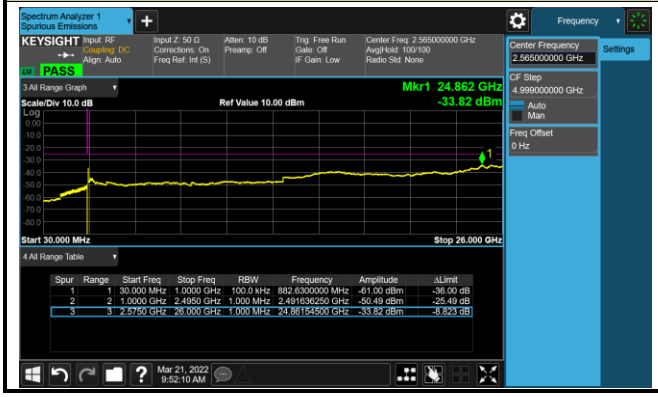
Channel 20800 (2505MHz)



Channel 21100 (2535MHz)

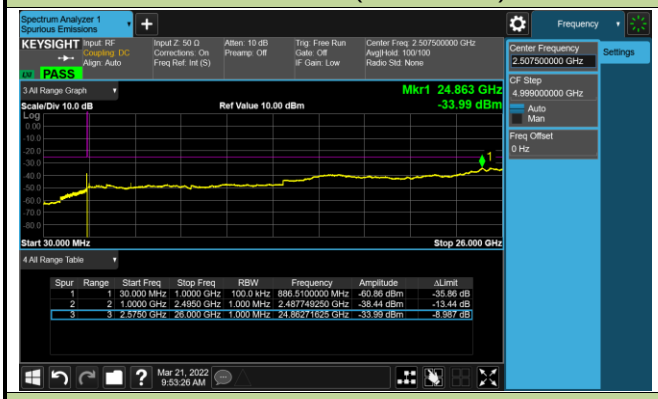


Channel 21400 (2565MHz)

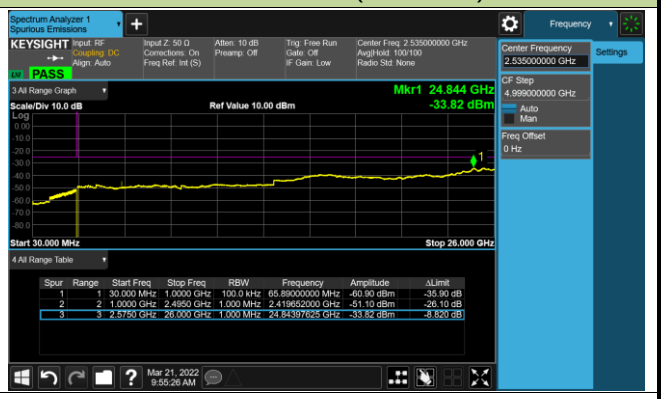


15MHz Channel Bandwidth

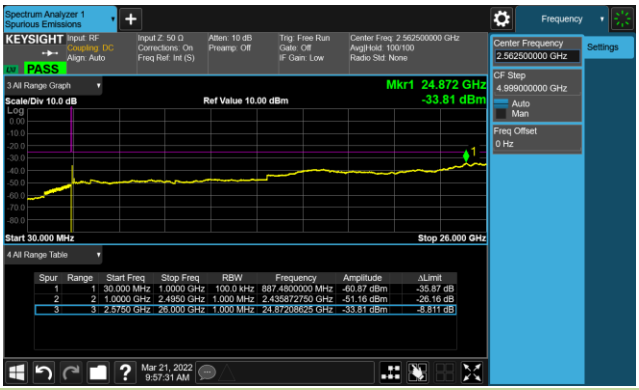
Channel 20825 (2507.5MHz)



Channel 21100 (2535MHz)

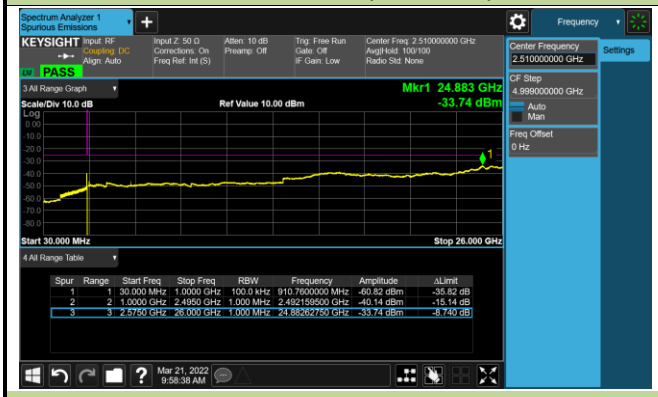


Channel 21375 (2562.5MHz)

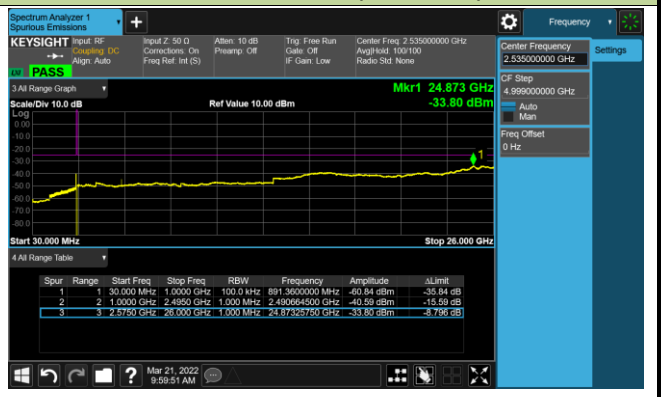


20MHz Channel Bandwidth

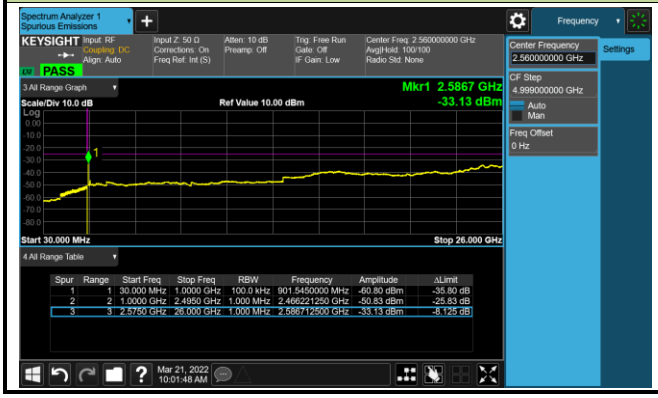
Channel 20850 (2510MHz)



Channel 21100 (2535MHz)



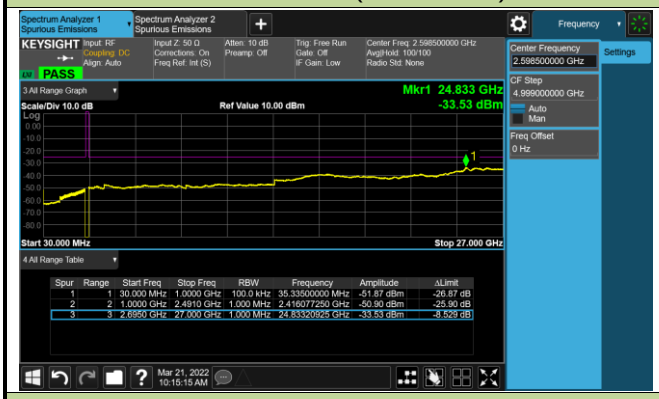
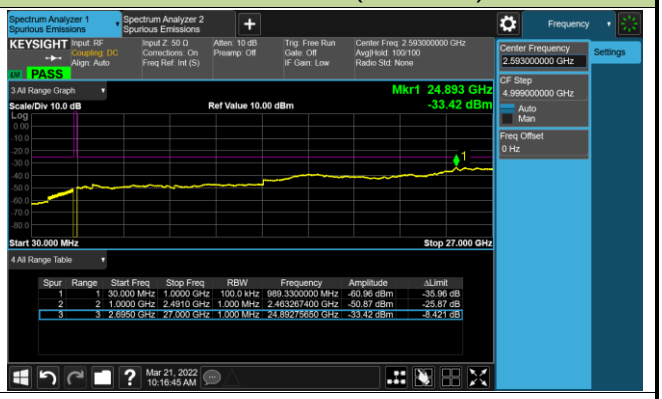
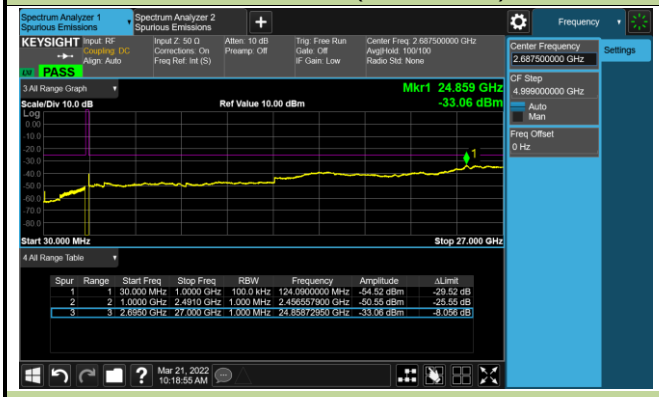
Channel 21350 (2560MHz)

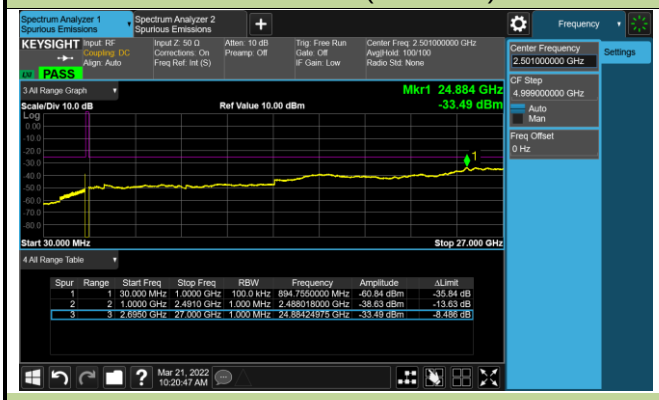
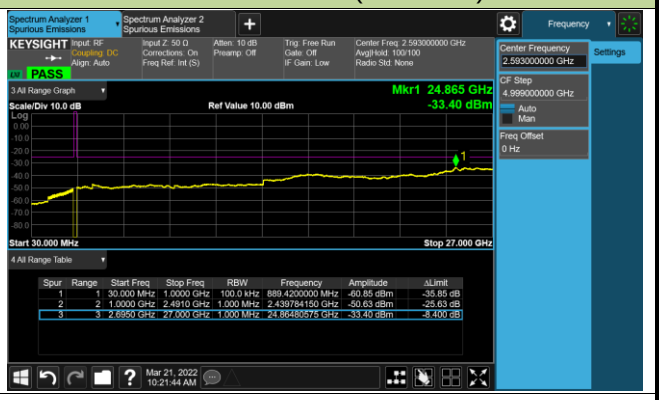
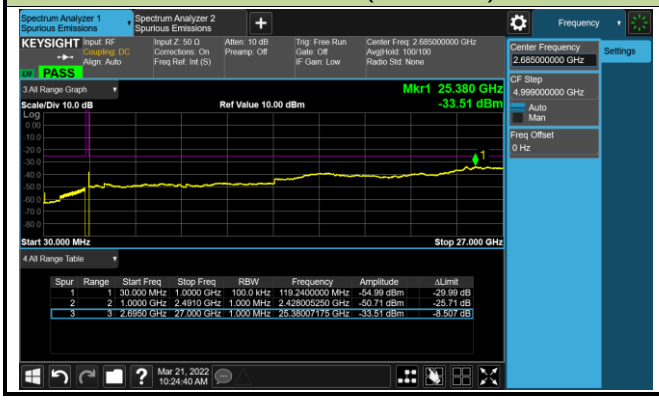


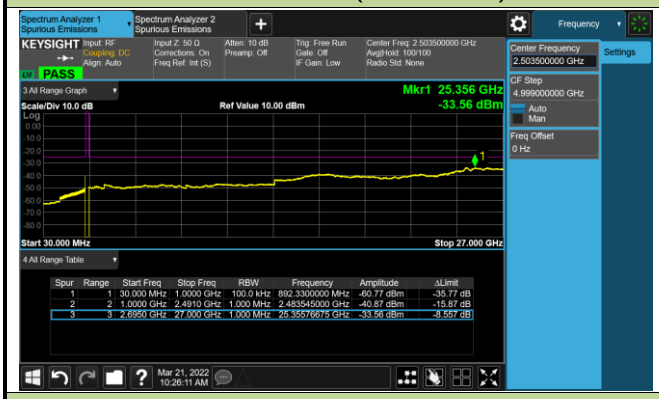
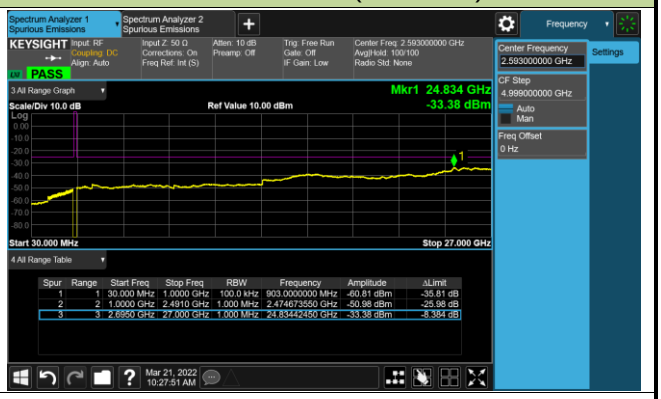
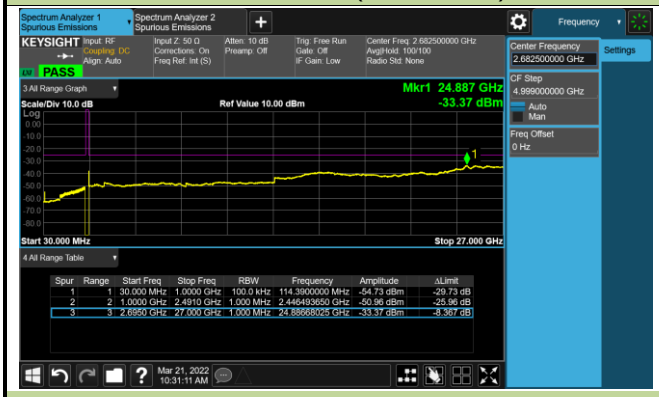
Test Site	SIP-SR1	Test Engineer	Candy Luo
Test Band	LTE Band 38/41_1RB_QPSK	Test Date	2022/03/21

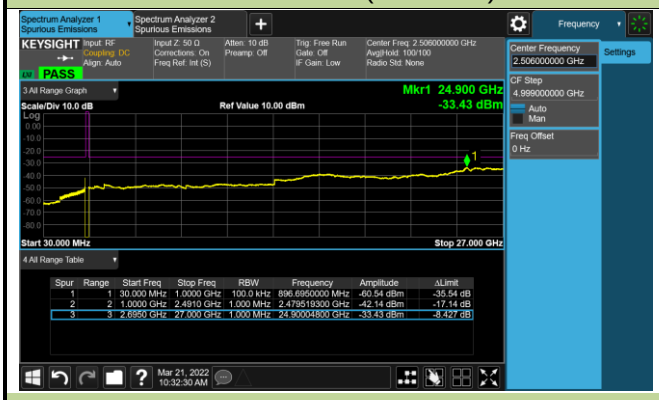
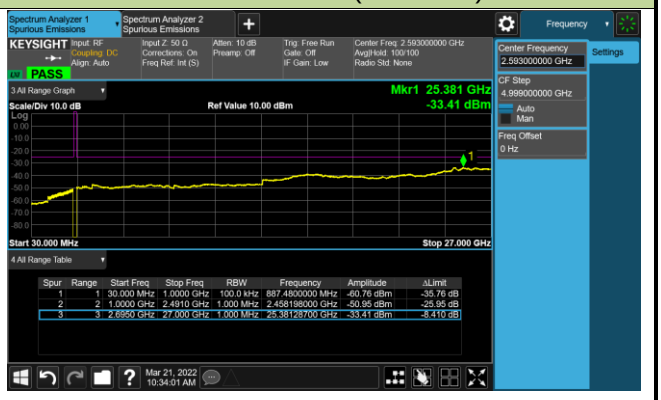
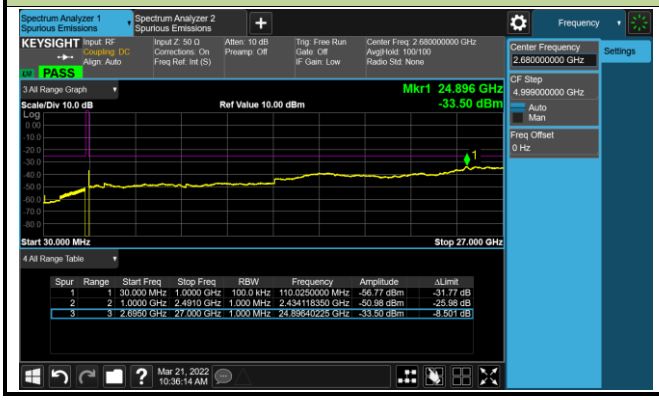
Channel	Frequency (MHz)	Channel Bandwidth (MHz)	Frequency Range (MHz)	Max Spurious Emissions (dBm)	Limit (dBm)	Result
39675	2498.50	5	30 ~ 27000	-33.53	≤ -25.00	Pass
40620	2593.00	5	30 ~ 27000	-33.42	≤ -25.00	Pass
40565	2687.50	5	30 ~ 27000	-33.06	≤ -25.00	Pass
39700	2501.00	10	30 ~ 27000	-33.49	≤ -25.00	Pass
40620	2593.00	10	30 ~ 27000	-33.40	≤ -25.00	Pass
41540	2685.00	10	30 ~ 27000	-33.51	≤ -25.00	Pass
39725	2503.50	15	30 ~ 27000	-33.56	≤ -25.00	Pass
40620	2593.00	15	30 ~ 27000	-33.38	≤ -25.00	Pass
41515	2682.50	15	30 ~ 27000	-33.37	≤ -25.00	Pass
39750	2506.00	20	30 ~ 27000	-33.43	≤ -25.00	Pass
40620	2593.00	20	30 ~ 27000	-33.41	≤ -25.00	Pass
41490	2680.00	20	30 ~ 27000	-33.50	≤ -25.00	Pass

Note: Spurious emissions within 9kHz ~ 30MHz were found more than 20dB below limit line.

5MHz Channel Bandwidth	
Channel 39675 (2498.5MHz)	Channel 40620 (2593MHz)
	
Channel 40565 (2687.5MHz)	
	

10MHz Channel Bandwidth	
Channel 39700 (2501MHz)	Channel 40620 (2593MHz)
	
Channel 41540 (2685MHz)	
	

15MHz Channel Bandwidth	
Channel 39725 (2503.5MHz)	Channel 40620 (2593MHz)
	
Channel 41515 (2682.5MHz)	
	

20MHz Channel Bandwidth	
Channel 39750 (2506MHz)	Channel 40620 (2593MHz)
	
Channel 41490 (2680MHz)	
	

A.7 Radiated Spurious Emission Test Result

Test Site	WZ-AC2	Test Engineer	Hyde Yu
Test Band	LTE Band 2_1RB_QPSK	Test Date	2022/03/20 ~ 2022/03/22

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
7179.50	33.81	11.40	45.21	82.30	-37.09	Peak	Horizontal
11744.00	32.68	17.97	50.65	82.30	-31.65	Peak	Horizontal
5547.50	42.60	4.23	46.83	82.30	-35.47	Peak	Vertical
10562.50	33.85	15.76	49.61	82.30	-32.69	Peak	Vertical
Middle Channel							
5743.00	35.57	5.51	41.08	82.30	-41.22	Peak	Horizontal
10656.00	34.09	16.19	50.28	82.30	-32.02	Peak	Horizontal
3762.50	38.99	0.03	39.02	82.30	-43.28	Peak	Vertical
5641.00	40.67	4.69	45.36	82.30	-36.94	Peak	Vertical
High Channel							
4680.50	35.97	3.48	39.45	82.30	-42.85	Peak	Horizontal
9211.00	33.38	14.60	47.98	82.30	-34.32	Peak	Horizontal
3822.00	38.93	0.20	39.13	82.30	-43.17	Peak	Vertical
5726.00	39.53	5.39	44.92	82.30	-37.38	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Test Site	WZ-AC2	Test Engineer	Hyde Yu
Test Band	LTE Band 4/66_1RB_QPSK	Test Date	2022/03/20 ~ 2022/03/22

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
3422.50	42.97	-1.19	41.78	82.30	-40.52	Peak	Horizontal
6627.00	34.75	8.78	43.53	82.30	-38.77	Peak	Horizontal
3422.50	44.03	-1.19	42.84	82.30	-39.46	Peak	Vertical
6202.00	35.08	6.97	42.05	82.30	-40.25	Peak	Vertical
Middle Channel							
3465.00	45.70	-0.99	44.71	82.30	-37.59	Peak	Horizontal
6499.50	35.03	7.93	42.96	82.30	-39.34	Peak	Horizontal
3465.00	49.45	-0.99	48.46	82.30	-33.84	Peak	Vertical
8658.50	35.66	13.13	48.79	82.30	-33.51	Peak	Vertical
High Channel							
3507.50	43.46	-0.55	42.91	82.30	-39.39	Peak	Horizontal
7409.00	33.16	11.79	44.95	82.30	-37.35	Peak	Horizontal
3507.50	51.63	-0.55	51.08	82.30	-31.22	Peak	Vertical
7570.50	34.32	11.74	46.06	82.30	-36.24	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Test Site	WZ-AC2	Test Engineer	Hyde Yu
Test Band	LTE Band 5_1RB_QPSK	Test Date	2022/03/20 ~ 2022/03/22

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
155.13	17.52	15.39	32.91	82.30	-49.39	Peak	Horizontal
473.29	7.09	24.46	31.55	82.30	-50.75	Peak	Horizontal
153.19	19.04	15.29	34.33	82.30	-47.97	Peak	Vertical
434.01	11.39	23.70	35.09	82.30	-47.21	Peak	Vertical
1646.00	45.10	-5.13	39.97	82.30	-42.33	Peak	Horizontal
3295.00	52.46	-1.62	50.84	82.30	-31.46	Peak	Horizontal
1646.00	47.66	-5.13	42.53	82.30	-39.77	Peak	Vertical
3295.00	53.29	-1.62	51.67	82.30	-30.63	Peak	Vertical
Middle Channel							
154.16	17.57	15.34	32.91	82.30	-49.39	Peak	Horizontal
502.39	6.44	25.10	31.54	82.30	-50.76	Peak	Horizontal
154.16	19.53	15.34	34.87	82.30	-47.43	Peak	Vertical
434.01	15.14	23.70	38.84	82.30	-43.46	Peak	Vertical
1671.50	45.16	-5.20	39.96	82.30	-42.34	Peak	Horizontal
3346.00	51.95	-1.59	50.36	82.30	-31.94	Peak	Horizontal
1671.50	47.99	-5.20	42.79	82.30	-39.51	Peak	Vertical
3346.00	51.54	-1.59	49.95	82.30	-32.35	Peak	Vertical
High Channel							
152.22	16.67	15.25	31.92	82.30	-50.38	Peak	Horizontal
713.85	4.58	28.91	33.49	82.30	-48.81	Peak	Horizontal
152.22	19.33	15.25	34.58	82.30	-47.72	Peak	Vertical
434.01	11.67	23.70	35.37	82.30	-46.93	Peak	Vertical
1697.00	40.61	-5.09	35.52	82.30	-46.78	Peak	Horizontal
3397.00	46.19	-1.30	44.89	82.30	-37.41	Peak	Horizontal
1697.00	44.06	-5.09	38.97	82.30	-43.33	Peak	Vertical
3397.00	47.91	-1.30	46.61	82.30	-35.69	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Test Site	WZ-AC2	Test Engineer	Hyde Yu
Test Band	LTE Band 7_1RB_QPSK	Test Date	2022/03/20 ~ 2022/03/22

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
5003.50	37.35	3.85	41.20	70.30	-29.10	Peak	Horizontal
8862.50	34.49	13.51	48.00	70.30	-22.30	Peak	Horizontal
5003.50	46.45	3.85	50.30	70.30	-20.00	Peak	Vertical
10001.50	38.75	14.31	53.06	70.30	-17.24	Peak	Vertical
Middle Channel							
5063.00	38.56	4.12	42.68	70.30	-27.62	Peak	Horizontal
8029.50	34.43	12.09	46.52	70.30	-23.78	Peak	Horizontal
5063.00	45.78	4.12	49.90	70.30	-20.40	Peak	Vertical
10129.00	39.04	14.50	53.54	70.30	-16.76	Peak	Vertical
High Channel							
5139.50	37.04	4.16	41.20	70.30	-29.10	Peak	Horizontal
8157.00	34.15	11.93	46.08	70.30	-24.22	Peak	Horizontal
5139.50	46.29	4.16	50.45	70.30	-19.85	Peak	Vertical
12849.00	34.60	18.16	52.76	70.30	-17.54	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Test Site	WZ-AC2	Test Engineer	Hyde Yu
Test Band	LTE Band 38/41_1RB_QPSK	Test Date	2022/03/20 ~ 2022/03/22

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
5819.50	36.13	5.72	41.85	70.30	-28.45	Peak	Horizontal
10171.50	34.01	14.90	48.91	70.30	-21.39	Peak	Horizontal
5139.50	44.07	4.16	48.23	70.30	-22.07	Peak	Vertical
11302.00	32.56	17.94	50.50	70.30	-19.80	Peak	Vertical
Middle Channel							
6584.50	35.32	8.28	43.60	70.30	-26.70	Peak	Horizontal
11650.50	32.56	18.21	50.77	70.30	-19.53	Peak	Horizontal
5182.00	43.01	3.63	46.64	70.30	-23.66	Peak	Vertical
10375.50	39.25	15.79	55.04	70.30	-15.26	Peak	Vertical
High Channel							
5437.00	37.91	4.41	42.32	70.30	-27.98	Peak	Horizontal
9678.50	33.81	14.15	47.96	70.30	-22.34	Peak	Horizontal
5241.50	44.90	3.64	48.54	70.30	-21.76	Peak	Vertical
10477.50	34.19	16.13	50.32	70.30	-19.98	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Appendix B - Test Setup Photograph

Refer to “2203RSU034-UT” file.

Appendix C - EUT Photograph

Refer to “2203RSU034-UE” file.

The End